

ART SEARCH RECORD

Patent Examiner Francis Moonan
US Patent Application: 09/998,664
Inventor: Hoegemeyer, Thomas

I. EAST Search.

Databases=USPAT; US-PGPUB; EPO; JPO; DERW
Date= 21 May 2002

Author Query= Hoegemeyer
Results=3
Art Considered= 3

New inbred corn line HX740, having a seed sample deposited under ATCC PTA-966, useful for maximizing grain production, supplying food and developing superior inbred lines (e.g. late season intactness) and high yielding hybrids - in vitro plant propagation including seed, pollen, ovule and tissue culture

PATENT NUMBER: US 6043416 PATENT DATE: 20000328 WPI ACCESSION NO.:2000-292373 (2025)

PRIORITY APPLIC. NO.: US 226010 APPLIC. DATE: 19990106

NATIONAL APPLIC. NO.: US 226010 APPLIC. DATE: 19990106

New corn inbred HX622 seed useful for producing hybrids and transgenic plants - maize propagation and crop improvement.

PATENT NUMBER: US 6040507 PATENT DATE: 20000321 WPI ACCESSION NO.:2000-270180 (2023)

PRIORITY APPLIC. NO.: US 227892 APPLIC. DATE: 19990111

NATIONAL APPLIC. NO.: US 227892 APPLIC. DATE: 19990111

New corn inbred HX621 seed useful for producing hybrids and transgenic plants - maize propagation and crop improvement

PATENT NUMBER: US 6040506 PATENT DATE: 20000321 WPI ACCESSION NO.:2000-270179 (2023)

PRIORITY APPLIC. NO.: US 226011 APPLIC. DATE: 19990106

NATIONAL APPLIC. NO.: US 226011 APPLIC. DATE: 19990106

Text Query= cross(1W)incompatib? or self(1W)incompatib?
pollen(1W)ncompatib? or self(1W)steril? or GaS(3N)allele? or
Ga1(1N)allele

and (Zea or maize or corn)) and (Ga1 or GaS and cross) and
incompatibility

Results= 1

Art Considered=

WO 200174145 Kermicle et al

II. DIALOG Search.

Databases= Dialindex:AGRI,BIOTECH

Date= 21 May 2002

Author Query= au=(Hoegemeyer T) or au=(Hoegemeyer, T) or
au=(Hoegemeyer T.) or au=(Hoegemeyer, T.)

Results= 5

Art Considered= 5

2/3/1 (Item 1 from file: 10)

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

3041172 90060714 Holding Library: AGL

Relation of corn grain yield to forage quality

Roth, L.D. Fernandez, S.; Klopfenstein, T.; Hoegemeyer, T.; Bartle, S.

University of Nebraska-Lincoln

Lincoln, Neb. : The Station.

MP - University of Nebraska, Agricultural Experiment Station. 1987. (52)
p. 43-46.

ISSN: 0748-2884

DNAL CALL NO: 100 N27M

Language: English

2/3/2 (Item 2 from file: 10)

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2467436 85043146 Holding Library: AGL

Select corn for grain yield and feed value

Bartle, S. McDonnell, M.; Hoegemeyer, T.; Klopfenstein, T.; Britton,

B. Lincoln, Neb. : The Station.

MP - University of Nebraska, Agricultural Experiment Station. Nov 1983.

(47) p. 25-27.

DNAL CALL NO: 100 N27M

Language: English

Text Query= ((cross(1W)incompatib? or self(1W)incompatib?
pollen(1W)ncompatib? or self(1W)steril? or GaS(3N)allele? or
Ga1(1N)allele or ga/ga) and (Zea or maize or corn)) and (Ga1 or GaS and
cross) and incompatibility

Results= 26+60=86

Art Considered=

10/3/1 (Item 1 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2002 The Dialog Corporation. All rts. reserv.
3947186 23233444 Holding Library: AGL
Teosinte crossing barrier1, a locus governing hybridization of teosinte
with maize
Evans, M.M.S. Kermicle, J.L.
Berlin; Springer-Verlag
Theoretical and applied genetics. Aug 2001. v. 103 (2/3) p. 259-265.
ISSN: 0040-5752 CODEN: THAGA6
DNAL CALL NO: 442.8 Z8
Language: English

10/3/3 (Item 2 from file: 50)
DIALOG(R)File 50:CAB Abstracts
(c) 2002 CAB International. All rts. reserv.
02371467 CAB Accession Number: 911619187
Cross - incompatibility between maize and teosinte.
Kermicle, J. L.; Allen, J. P.
Laboratory of Genetics, University of Wisconsin, Madison, WI 53706, USA.
Maydica vol. 35 (4): p.399-408
Publication Year: 1990
ISSN: 0025-6153 --
Language: English
Document Type: Journal article

10/3/4 (Item 3 from file: 50)
DIALOG(R)File 50:CAB Abstracts
(c) 2002 CAB International. All rts. reserv.
02071546 CAB Accession Number: 891675280
Incorporation of the gametophyte gene *Ga1* into the genotype of
high-lysine maize .
Podol'skaya, A. P.
VIR, Leningrad, USSR.
Genetika, USSR vol. 24 (8): p.1427-1431
Publication Year: 1988 --
Language: Russian Summary Language: english
Document Type: Journal article

10/3/5 (Item 4 from file: 50)
DIALOG(R)File 50:CAB Abstracts
(c) 2002 CAB International. All rts. reserv.
02041434 CAB Accession Number: 881674195
Results of work with genetic stocks of maize at the Vavilov Institute
of Plant Industry (VIR).
Podol'skaya, A. P.
VIR, Leningrad, USSR.
Sbornik Nauchnykh Trudov po Prikladnoi Botanike, Genetike i Selektcii
vol. 105 p.39-46
Publication Year: 1986 --
Language: Russian Summary Language: english
Document Type: Journal article

10/3/9 (Item 8 from file: 50)
 DIALOG(R)File 50:CAB Abstracts
 (c) 2002 CAB International. All rts. reserv.
 01344105 CAB Accession Number: 821617449
 Genetic analysis of cross incompatibility in Zea mays.
 Podol'skaya, A. P.
 VIR, Leningrad, USSR.
 Genetika, USSR vol. 17 (10): p.1824-1831
 Publication Year: 1981 --
 Language: Russian Summary Language: english
 Document Type: Journal article

10/3/10 (Item 9 from file: 50)
 DIALOG(R)File 50:CAB Abstracts
 (c) 2002 CAB International. All rts. reserv.
 01200932 CAB Accession Number: 811602543
 Failure to verify the Ga9 locus on chromosome 4.
 Ashman, R. B.
 Purdue Univ., West Lafayette, Ind., USA.
 Maize Genetics Cooperation News Letter (No. 55): p.50-51
 Publication Year: 1981 --
 Language: English
 Document Type: Journal article

10/3/11 (Item 10 from file: 50)
 DIALOG(R)File 50:CAB Abstracts
 (c) 2002 CAB International. All rts. reserv.
 00923448 CAB Accession Number: 801686702
 Cross incompatibility in Zea .
 Shmaraev, G. E.; Podol'skaya, A. P.
 VIR, Leningrad, USSR.
 Trudy po Prikladnoi Botanike, Genetike i Selektzii vol. 63 (1):
 p.25-39
 Publication Year: 1978 --
 Language: Russian Summary Language: english
 Document Type: Journal article

10/3/12 (Item 11 from file: 50)
 DIALOG(R)File 50:CAB Abstracts
 (c) 2002 CAB International. All rts. reserv.
 00791341 CAB Accession Number: 791678015
 Use of the gene Gas as a genetic barrier causing cross
 incompatibility between normal and high-lysine maize .
 Sevov, A.; Mitev, S.
 Institut po tsarevitsata, Knezha, Bulgaria.
 Genetika i Selektsiya vol. 12 (1): p.21-25
 Publication Year: 1979
 ISSN: 0016-6766 --
 Language: Bulgarian Summary Language: russian; english
 Document Type: Journal article

10/3/13 (Item 12 from file: 50)
DIALOG(R)File 50:CAB Abstracts
(c) 2002 CAB International. All rts. reserv.
00087822 CAB Accession Number: 731605617
Study on the distribution of the gene Gas in lines and varieties of popcorn.
Sevov, A.; Khristov, K.; Khristova, P.; Ruskova, K.; Mitev, S.
Institut po Tsarevitsata, Knezha, Bulgaria.
Genetika i Seleksiya vol. 6 (1): p.19-26
Publication Year: 1973
ISSN: 0016-6766 --
Language: Bulgarian Summary Language: russian; english
Document Type: Journal article

10/3/26 (Item 8 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text
(c) 2002 The HW Wilson Co. All rts. reserv.
03253285 H.W. WILSON RECORD NUMBER: BGS196003285 (USE FORMAT 7 FOR FULLTEXT)
The genetics of flower development: from floral induction to ovule morphogenesis.
Weigel, Detlef
Annual Review of Genetics (Annu Rev Genet) v. 29 ('95) p. 19-39
SPECIAL FEATURES: bibl il ISSN: 0066-4197
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 9199

11/3/3 (Item 3 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2002 The Dialog Corporation. All rts. reserv.
3429381 20447525 Holding Library: AGL
Factors affecting the success of pollination in corn
Lonnquist, J.H. Jugenheimer, R.W.
Washington, D.C. : The Society, 1913-[1948]
Journal of the American Society of Agronomy. Nov 1943. v. 35 (11) p. 923-933.
ISSN: 0095-9650
DNAL CALL NO: 4 Am34P
Language: English

11/3/4 (Item 4 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2002 The Dialog Corporation. All rts. reserv.
3278328 93024963 Holding Library: AGL
Cross - incompatibility in maize --a case of a 3 locus interaction by non-allelic male and female genes
Peterson, P.A. Rashid, A.
Iowa State University, Ames, IA
New York : Springer-Verlag, 1992.
Angiosperm pollen and ovules / E. Ottaviano ... [et al., editors]. p. 110-116.
ISBN: 0387978887
DNAL CALL NO: QK658.A54 1992
Language: English

11/3/5 (Item 5 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2002 The Dialog Corporation. All rts. reserv.
3239133 92073781 Holding Library: AGL
The RSS system of unidirectional cross - incompatibility in maize . 2.

Cytology
Rashid, A. Peterson, P.A.
Ayub Agricultural Research Institute, Faisalabad, Pakistan
Ottawa : National Research Council of Canada.
Genome. Aug 1992. v. 35 (4) p. 560-564.
ISSN: 0831-2796 CODEN: GENOE3
DNAL CALL NO: QH431.G452
Language: English Summary Language: French

11/3/6 (Item 6 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2002 The Dialog Corporation. All rts. reserv.
3195275 92044775 Holding Library: AGL
The RSS system of unidirectional cross - incompatibility in maize . I.

Genetics
Rashid, A. Peterson, P.A.
Iowa State University, Ames, IA
New York, N.Y. : Oxford University Press.
The Journal of heredity. Mar/Apr 1992. v. 83 (2) p. 130-134.
ISSN: 0022-1503 CODEN: JOHEA
DNAL CALL NO: 442.8 AM3
Language: English

11/3/10 (Item 10 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2002 The Dialog Corporation. All rts. reserv.
2398626 84115752 Holding Library: AGL
Nonreciprocal, partial cross - incompatibility (Maize)
Bdliya, P. Peterson, P.A.
Columbia, Mo. : , Department of Agronomy, University of Missouri.
Maize genetics cooperation news letter. Apr 30, 1984. (58) , Apr 30,
1984. p. 7-8. ill.
NAL: 59.9 C813
Language: English

11/3/11 (Item 11 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2002 The Dialog Corporation. All rts. reserv.
2286437 84029664 Holding Library: AGL
Cross incompatibility in maize and its utilization in breeding.
Podol'skaia, A.P.
Leningrad : , Institut.
Biulleten' - Vsesoiuznyi institut rastenievodstva. 1982. (124) , 1982.
p. 21-26.
ISSN: 0202-5361
NAL: 64.9 L542
Language: Russian ; English

11/3/12 (Item 12 from file: 10)

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2170930 83073828 Holding Library: AGL

Nonreciprocal partial cross - incompatibility in maize (Zea mays, corn)

Sukhapinda, K.; CNJGA Peterson, P.A.

Ottawa : , Genetics Society of Canada.

Canadian journal of genetics and cytology = Journal canadien de genetique et de cytologie. v. 25 (3) , June 1983. p. 270-277. ill.

ISSN: 0008-4093

NAL: 443.8 C16

Language: English

11/3/13 (Item 13 from file: 10)

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2028823 82070970 Holding Library: AGL

Genetic analysis of cross - incompatibility in maize (Zea mays)

Podol'skaya, A.P.

New York, , Consultants Bureau.

Soviet genetics. v. 17 (10) , Oct 1981 (pub. 1982). p. 1197-1202.

ISSN: 0038-5409

NAL: QH431.A1G43

Language: English ; Russian

11/3/17 (Item 3 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

02287092 CAB Accession Number: 901614534

Unidirectional cross - incompatibility in maize - a new system.

Rashid, A.; Peterson, P. A.

Department of Agronomy, Iowa State University, Ames, IA 50011, USA.

Maize Genetics Cooperation News Letter (No. 64): p.8

Publication Year: 1990 --

Language: English

Document Type: Journal article

11/3/17 (Item 3 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

02287092 CAB Accession Number: 901614534

Unidirectional cross - incompatibility in maize - a new system.

Rashid, A.; Peterson, P. A.

Department of Agronomy, Iowa State University, Ames, IA 50011, USA.

Maize Genetics Cooperation News Letter (No. 64): p.8

Publication Year: 1990 --

Language: English

Document Type: Journal article

11/3/24 (Item 10 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

01441631 CAB Accession Number: 841628542

Nonreciprocal partial cross - incompatibility in maize .

Sukhapinda, K.; Peterson, P. A.

Agronomy Dep., Iowa State Univ., Ames, IA, USA 50011.

Canadian Journal of Genetics and Cytology vol. 25 (3): p.270-277

Publication Year: 1983 --

Language: English

Document Type: Journal article

11/3/25 (Item 11 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

01344105 CAB Accession Number: 821617449

Genetic analysis of cross incompatibility in Zea mays.

Podol'skaya, A. P.

VIR, Leningrad, USSR.

Genetika, USSR vol. 17 (10): p.1824-1831

Publication Year: 1981 --

Language: Russian Summary Language: english

Document Type: Journal article

11/3/26 (Item 12 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

01204547 CAB Accession Number: 811608557

Genetical studies of cross incompatibility in popcorn.

Mikhalko, S. K.; Miryuta, O. K.

4-i S"ezd genetikov i seleksionerov Ukrainy, Odessa, 1981. Tez. dokl., 3.

p.112-114

Publication Year: 1981

Publisher: -- Kiev., Ukrainian SSR

Language: Russian

Document Type: Miscellaneous

11/3/27 (Item 13 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

01200846 CAB Accession Number: 811602001

A case of non-reciprocal cross - incompatibility of maize .

Sukhapinda, K.; Peterson, P. A.

Iowa State Univ., Ames, USA.

Maize Genetics Cooperation News Letter (No. 55): p.5-6

Publication Year: 1981 --

Language: English

Document Type: Journal article

11/3/29 (Item 15 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

00923448 CAB Accession Number: 801686702

Cross incompatibility in Zea.

Shmaraev, G. E.; Podol'skaya, A. P.

VIR, Leningrad, USSR.

Trudy po Prikladnoi Botanike, Genetike i Selektzii vol. 63 (1):

p.25-39

Publication Year: 1978 --

Language: Russian Summary Language: english

Document Type: Journal article

11/3/30 (Item 16 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

00791341 CAB Accession Number: 791678015

Use of the gene Gas as a genetic barrier causing cross incompatibility between normal and high-lysine maize.

Sevov, A.; Mitev, S.

Institut po tsarevitsata, Knezha, Bulgaria.

Genetika i Selektsiya vol. 12 (1): p.21-25

Publication Year: 1979

ISSN: 0016-6766 --

Language: Bulgarian Summary Language: russian; english

Document Type: Journal article

11/3/31 (Item 17 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

00414787 CAB Accession Number: 751631403

A study of incompatibility in popcorn.

Shmaraev, G. E.; Podol'skaya, A. P.

VIR, Leningrad, USSR.

Vestnik Sel'skokhozyaistvennoi Nauki (No. 7): p.28-30

Publication Year: 1975 --

Language: Russian Summary Language: english

Document Type: Journal article

11/3/32 (Item 18 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

00087822 CAB Accession Number: 731605617

Study on the distribution of the gene Gas in lines and varieties of popcorn.

Sevov, A.; Khristov, K.; Khristova, P.; Ruskova, K.; Mitev, S.

Institut po Tsarevitsata, Knezha, Bulgaria.

Genetika i Selektsiya vol. 6 (1): p.19-26

Publication Year: 1973

ISSN: 0016-6766 --

Language: Bulgarian Summary Language: russian; english

Document Type: Journal article

11/3/41 (Item 1 from file: 34)
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2002 Inst for Sci Info. All rts. reserv.
 10097192 Genuine Article#: 484JH No. References: 10
 Title: Some maize sex-related mutants
 Author(s): Peterson PA (REPRINT)
 Corporate Source: Iowa State Univ Sci & Technol, Dept Agron Plant
 Genet, Ames//IA/50011 (REPRINT); Iowa State Univ Sci & Technol, Dept
 Agron Plant Genet, Ames//IA/50011; Iowa State Univ Sci & Technol, Dept
 Zool Genet, Ames//IA/50011
 Journal: SEXUAL PLANT REPRODUCTION, 2001, V14, N1-2 (SEP), P117-121
 ISSN: 0934-0882 Publication date: 20010900
 Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA
 Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

11/3/45 (Item 1 from file: 144)
 DIALOG(R)File 144:Pascal
 (c) 2002 INIST/CNRS. All rts. reserv.
 10330980 PASCAL No.: 92-0534439
 The RSS system of unidirectional cross - incompatibility in maize . II
 : Cytology
 ABDUL RASHID; PETERSON P A
 Iowa state univ., agronomy dep., Ames IA 50011, USA
 Journal: Genome, 1992, 35 (4) 560-564
 Language: English Summary Language: French

11/3/46 (Item 2 from file: 144)
 DIALOG(R)File 144:Pascal
 (c) 2002 INIST/CNRS. All rts. reserv.
 05153867 PASCAL No.: 83-0416992
 Nonreciprocal partial cross - incompatibility in maize
 KITISRI SUKHAPINDA; PETERSON P A
 Iowa state univ., agronomy dep., Ames IA 50011, USA
 Journal: Canadian Journal of Genetics and Cytology, 1983, 25 (3) 270-277
 Language: English Summary Language: French

11/3/58 (Item 12 from file: 98)
 DIALOG(R)File 98:General Sci Abs/Full-Text
 (c) 2002 The HW Wilson Co. All rts. reserv.
 02263823 H.W. WILSON RECORD NUMBER: BGS192013823
 The RSS system of unidirectional cross - incompatibility in maize :
 genetics.
 Rashid, A
 Peterson, P. A
 The Journal of Heredity (J Hered) v. 83 (Mar./Apr. '92) p. 130-4
 DOCUMENT TYPE: Feature Article
 SPECIAL FEATURES: bibl il ISSN: 0022-1503
 LANGUAGE: English
 COUNTRY OF PUBLICATION: United States